AMENDMENTS TO THE CLAIMS

What is claimed:

1. (Currently amended) A composition ~~useful for nerve transport~~ comprising a transporting entity and a therapeutic agent, wherein the transporting entity comprises ~~is~~ a non-toxic lectin and is operably linked to the therapeutic agent so that the therapeutic agent is capable of being transported to a target.

2. (Original) The composition of claim 1, wherein the non-toxic lectin is a lectin from wheat germ agglutinin.

3. (Original) The composition of claim 1, wherein the non-toxic lectin is a lectin having the sequence of SEQ ID NO. 1, SEQ ID NO.2, or SEQ ID NO. 3.

4. (Original) The composition of claim 1, wherein the agent is a polypeptide, polynucleotide, or compound.

5. (Original) The composition of claim 1, wherein the agent is a growth factor, hormone, antibody, or cytokine.

6. (Original) The composition of claim 1, wherein the agent does not cross the blood-brain barrier by itself.

7. (Original) The composition of claim 1, wherein the agent is a nerve growth factor (NGF).

8. (Original) The composition of claim 1, wherein the agent is a Ciliary Neurotrophic Factor (CNTF), glial-derived neurotrophic factor (GDNF), brain derived neurotrophic factor (BDNF), or insulin-like growth factor (IGF1), cardiotrophin-1 (CT1), transforming growth factor-.beta.2 (TGF .beta.2), epidermal growth factor (EGF), fibroblast growth factor (FGF), vascular

endothelial growth factor (VEGF) and interferon .alpha..

9. (Original) The composition of claim 1, wherein the non-toxic lectin is conjugated with the agent.

10. (Original) The composition of claim 1, wherein the non-toxic lectin is fused with the agent.

11. (Original) The composition of claim 1, wherein the agent is capable of being transported through nerve transport.

12. (Original) The composition of claim 1, wherein the agent is capable of being transported through an olfactory route.

13. (Original) The composition of claim 1, wherein the agent is capable of being transported through at least one synapse.

14. (Original) The composition of claim 1, wherein the agent is capable of being transported through at least two synapses.

15. (Original) The composition of claim 1, wherein the target is a neuron.

16. (Original) The composition of claim 1, wherein the target is selected from the group consisting of muscle, gland, and sensory tissue.

17. (Withdrawn – currently amended) A method ~~for treating a neurological condition~~ comprising administering to a subject in need of such treatment an effective amount of the composition of claim 1, wherein said therapeutic agent is suitable for the treatment of a neurological condition and said target is associated with the neurological condition ~~a therapeutic agent suitable for the treatment of the neurological condition, wherein the therapeutic agent is operably linked to a non-toxic lectin so that the therapeutic agent is capable of being transported to a target associated with the neurological condition~~.

18. (Withdrawn) The method of claim 17, wherein the neurological condition is a neurodegenerative disorder.

19. (Withdrawn) The method of claim 17, wherein the neurological condition is selected from the group consisting of Alpers' disease, Alzheimer's Disease, Autosomal Dominant Neurodegenerative Disorder, Batten Disease, Cerebral calcinosis, Cockayne Syndrome, corticobasal ganglionic degeneration, Dementia with Lewy Bodies, Lewy Body Variant, Alzheimers Disease, Motor Neuron Disease, Multiple System Atrophy, Parkinson Plus syndrome, Neuronal intranuclear inclusion disease, Olivopontocerebellar Atrophy, Parkinsonian Syndromes, Pick's disease, Postpoliomyelitis Syndrome, Progressive Supranuclear Palsy, Rett Syndrome, Shy-Drager Syndrome, Tauopathies, Tri-nucleotide-repeat diseases, Tuberous Sclerosis, spinal cord injury, pugilist dementia, pain, neuropathy, neurotrauma, organophosphate poisoning, depression, schizophrenia, anxiety disorders, epilepsy, and bipolar disorder.

20. (Withdrawn) The method of claim 17, wherein the non-toxic lectin is a lectin from wheat germ agglutinin.

21. (Withdrawn) The method of claim 17, wherein the non-toxic lectin is a lectin having the sequence of SEQ ID NO. 1, SEQ ID NO.2, or SEQ ID NO. 3.

22. (Withdrawn) The method of claim 17, wherein the agent is a polypeptide, polynucleotide, or compound.

23. (Withdrawn) The method of claim 17, wherein the agent is a growth factor, hormone, antibody, or cytokine.

24. (Withdrawn) The method of claim 17, wherein the agent does not cross the blood-brain barrier by itself.

25. (Withdrawn) The method of claim 17, wherein the neurological condition is a

neurodegenerative disorder and the agent is a nerve growth factor (NGF).

26. (Withdrawn) The method of claim 17, wherein the neurological condition is a neurodegenerative disorder and the agent is a Ciliary Neurotrophic Factor (CNTF), glial-derived neurotrophic factor (GDNF), brain derived neurotrophic factor (BDNF), or insulin-like growth factor.

27. (Withdrawn) The method of claim 17, wherein the non-toxic lectin is conjugated with the agent.

28. (Withdrawn) The method of claim 17, wherein the non-toxic lectin is fused with the agent.

29. (Withdrawn) The method of claim 17, wherein the non-toxic lectin is fused in frame with the agent.

30. (Withdrawn) The method of claim 17, wherein the agent is administered intranasally.

31. (Withdrawn) The method of claim 17, wherein the agent is capable of being transported through nerve transport.

32. (Withdrawn) The method of claim 17, wherein the agent is capable of being transported through at least one synapse.

33. (Withdrawn) The method of claim 17, wherein the agent is capable of being transported through at least two synapses.

34. (Original) The pharmaceutical composition comprising the composition of claim 1 and a carrier.

35. (Currently amended) A kit ~~container~~ comprising the composition of claim 1 and a label instructing the use of the composition.